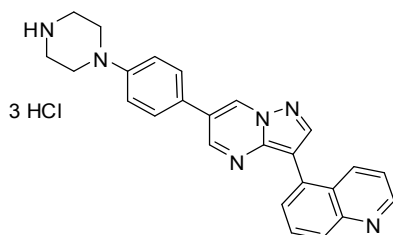


## Certificate of Analysis

**Axon Catalogue ID:** 2201 **Batch Number:** 1  
**Product Name:** LDN 212854 trihydrochloride  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 5-(6-(4-(piperazin-1-yl)phenyl)pyrazolo[1,5-a]pyrimidin-3-yl)quinoline trihydrochloride

**Structure:**



**Amount:**

**CAS number:** 1432597-26-6 (parent)  
**Batch Molecular Formula:** C<sub>25</sub>H<sub>22</sub>N<sub>6</sub>.3HCl.0.75H<sub>2</sub>O **Batch MW:** 529.38  
**Appearance:** Yellow solid **Observed mp:** > 240°C (decomp)  
**TLC (R<sub>f</sub>):** 0.6 DCM/MeOH/NH<sub>3</sub> (9:1:0.1)  
**Chemical Purity:** 99.1%  
**Optical Purity (ee):**  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 56.72 , H 5.05 , N 15.88 Found: C 56.71 , H 5.43 , N 15.61  
**Storage Conditions:** Store at +4°C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	50.0	94.5	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	3.5	6.6	Sonication and warming enhance solub
	EtOH			Not Tested

**Remarks:**

**QC Date:** 17-12-2013

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to [info@axonmedchem.com](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**